



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

BIBDATASHEET

Bib Data Sheet

CONFIRMATION NO. 7734

SERIAL NUMBER 10/630,992	FILING OR 371(c) DATE 07/30/2003 RULE	CLASS 707	GROUP ART UNIT 2166	ATTORNEY DOCKET NO. YOR920030160US1
-----------------------------	--	--------------	------------------------	---

APPLICANTS

Sheng Ma, Ossining, NY;
 Chang-shing Perng, Bedford Hills, NY;
 Haixun Wang, Tarrytown, NY;
 Philip Shi-Lung Yu, Chappaqua, NY;

** CONTINUING DATA *****

** FOREIGN APPLICATIONS *****

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 04/22/2004

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY NY	SHEETS DRAWING 10	TOTAL CLAIMS 21	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after met Allowance				

Verified and
Acknowledged

Examiner's Signature _____ Initials _____

ADDRESS

Ryan, Mason & Lewis, LLP
 90 Forest Avenue
 Locust Valley, NY11560

TITLE

METHODS AND APPARATUS FOR CANDIDATE PATTERNS OF MULTI-ATTRIBUTE MINING TEMPLATES
 ARE RELATED BY ANTI-MONOTONICITY PROPERTY, AND DERIVED BY MERGE-JOINING PATTERNS OF
 NODES OF AT LEAST A PORTION OF THE TEMPLATES WITHOUT PRE-SORTING

FILING FEE RECEIVED 898	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other <input type="checkbox"/> Credit
----------------------------	---	---

3/24/08